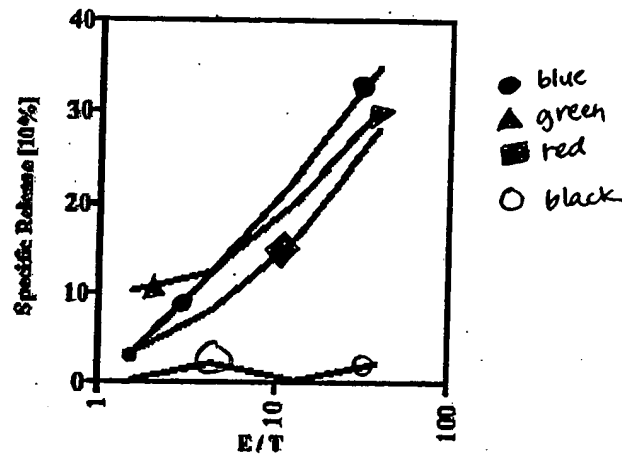


4. Balb/c spleen cells were stimulated with CS7BL/6 spleen cells. Cultures were supplemented with normal fibroblasts (blue), medium (red) or fibroblasts with CD8 (green) of mouse (A) or human (B) origin. Cultures were harvested and tested for their lytic ability towards CS7BL/6-derived target cells.

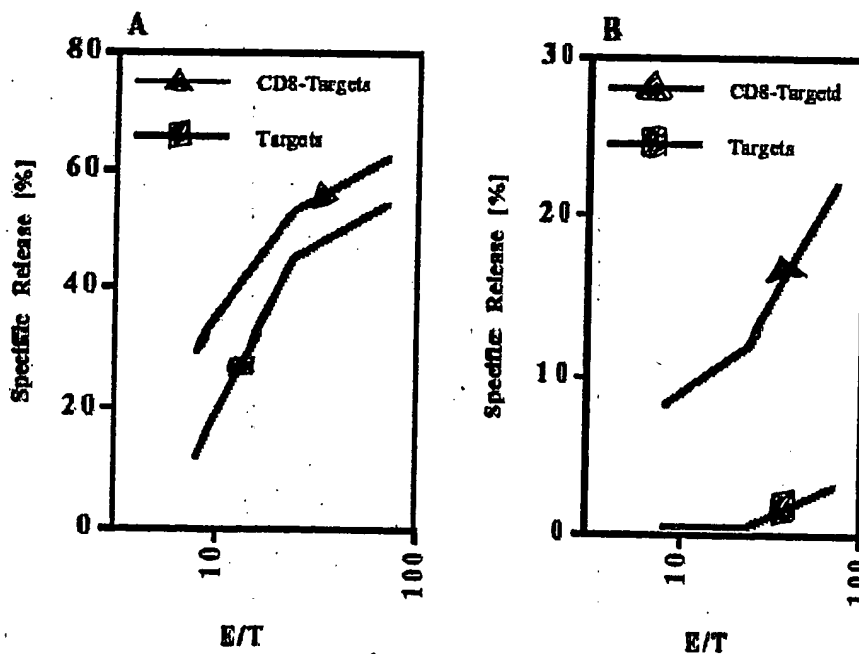
Figure 3

ANNOTATED SHEET
SHOWING CHANGES



~~Balb/c (H-2d) mice were injected with control fibroblasts (red and green) or mCD8-transfected C57BL/6 (H-2b) derived (black and blue) fibroblasts. After two weeks animals were sacrificed, spleen cells were harvested, stimulated with C57BL/6 (H-2b) (red and black) or CBA/J (H-2k) (blue and green) spleen cells and tested for their lytic ability on EL4 (H-2b) (red and black) or S.AKR (H-2k) (blue and green) target cells.~~

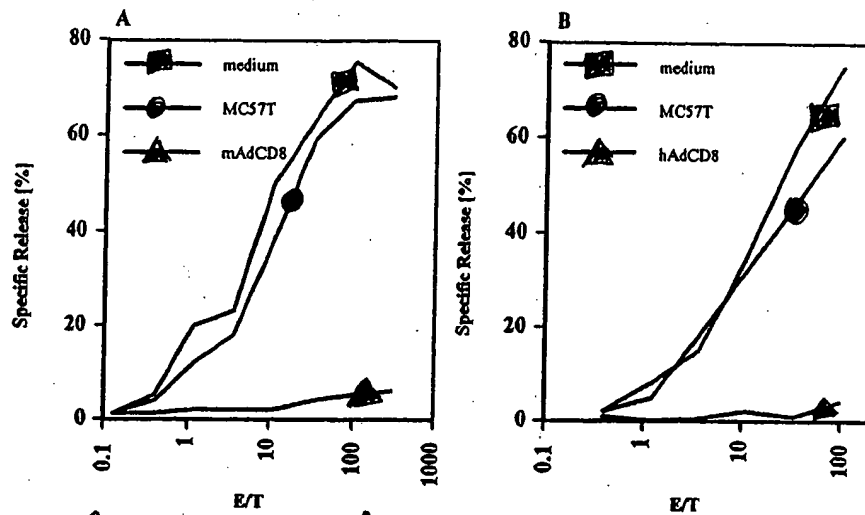
Figure 4



~~Target cells (green) or CD8-expressing targets (red) were tested for their susceptibility to lysis by alloreactive T cells (A) or by antigen-specific CTLs (B).~~

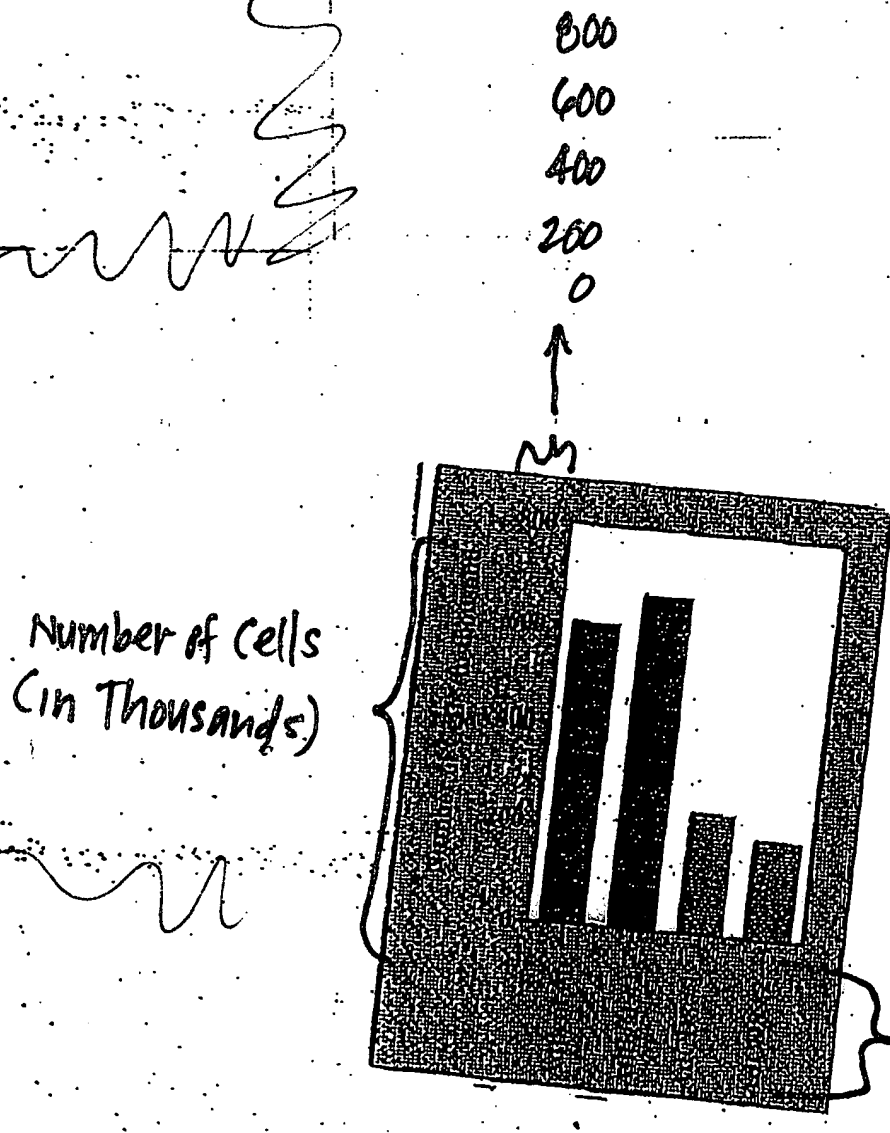
Figure 5

ANNOTATED SHEET SHOWING CHANGES



MLCs (Balb/c anti-C57BL/6) were set up in the presence of normal fibroblasts (blue) and fibroblasts transduced with mAdCD8 (A, green) or hAdCD8 (B, green). No fibroblasts were added to control cultures (red). The lytic activity of these cultures towards an O57BL/6-derived target was determined at the end of the culture period.

Figure 6



Adβgal #1
Adβgal #2
AdCDB #1
AdCDB #2

FIGURE 7

ANNOTATED SHEET
SHOWING CHANGES

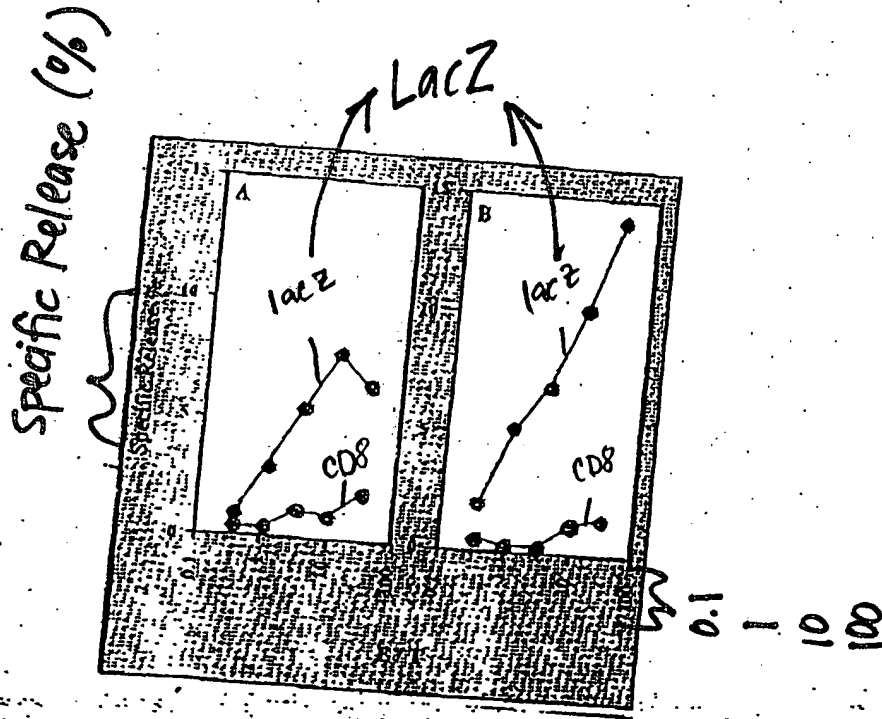
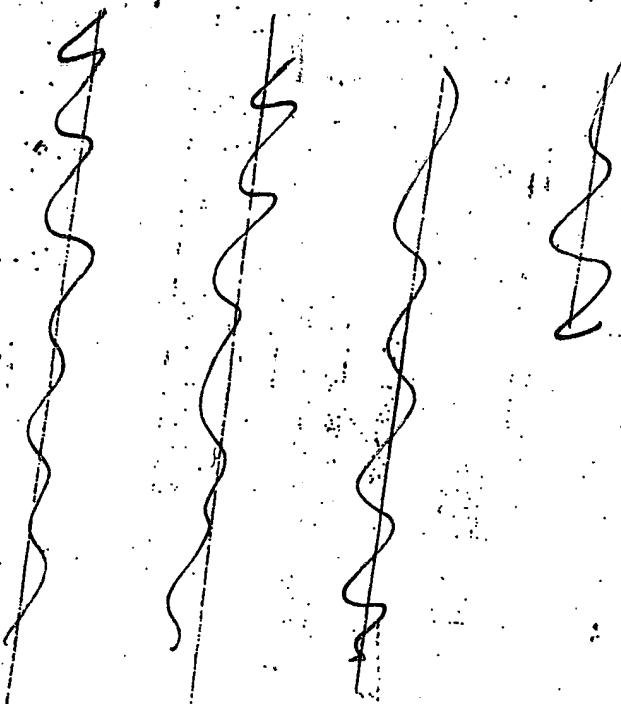
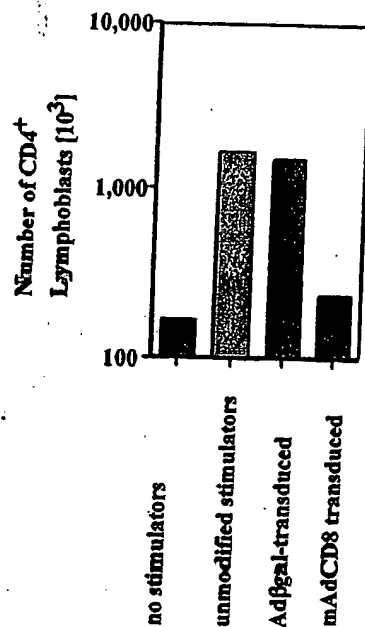


FIGURE 8



ANNOTATED SHEET
SHOWING CHANGES



~~3x10⁶ C7BI/6 spleen cells were incubated with 1x10⁶ (or no) stimulator cells, transduced as indicated. After 4 days the cultures were analyzed for presence CD4⁺ T lymphoblasts by immunofluorescence.~~

Figure 9

ANNOTATED SHEET
SHOWING CHANGES

FIGURE 10A

~~Infected Cells: MC57T Fibroblasts~~
~~Panel 1: Mook-Infection; Panel 2: Infection with hAdCD8~~

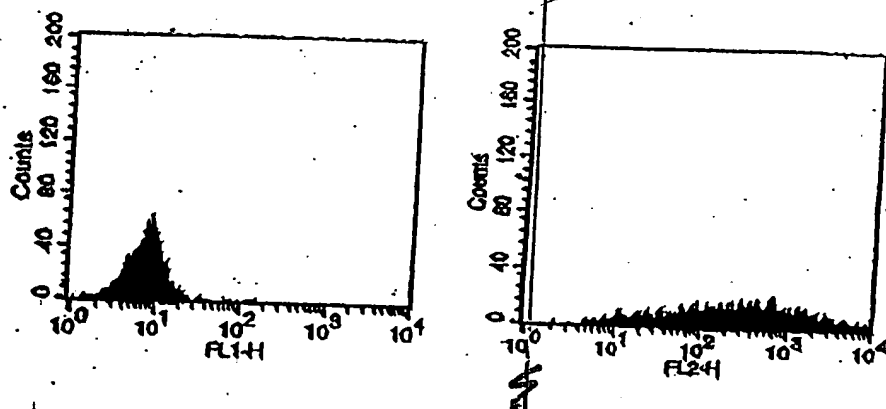
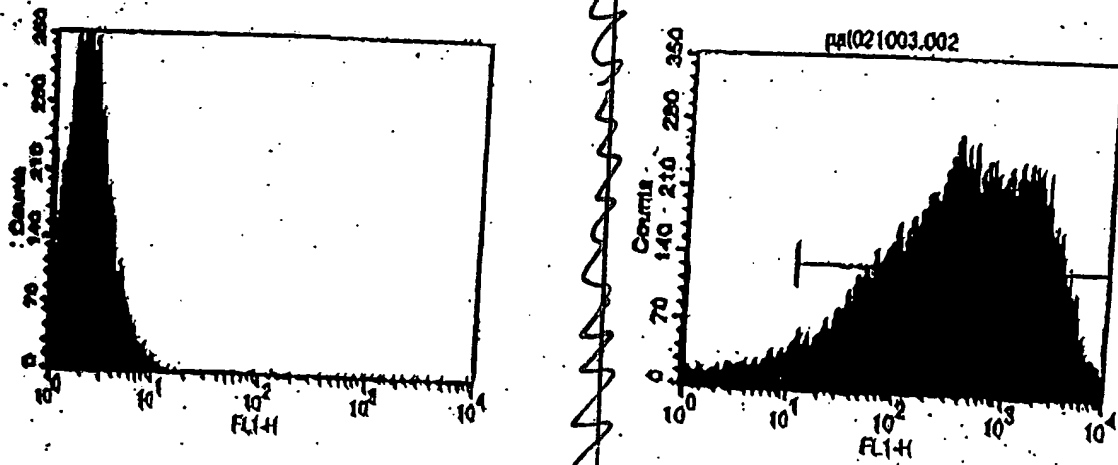


FIGURE 10B

~~Infected Cells: MC57T Fibroblasts~~
~~Panel 1: Mook-Infection; Panel 2: Infection with mAdCD8~~



ANNOTATED SHEET
SHOWING CHANGES

FIGURE 10C

~~Infected Cells: Balb/c unselected bone marrow cells;
Panel 1: Infection with lacZ Adenoviral Vector (AdLacZ);
Panel 2: Infection with mAdCD8~~

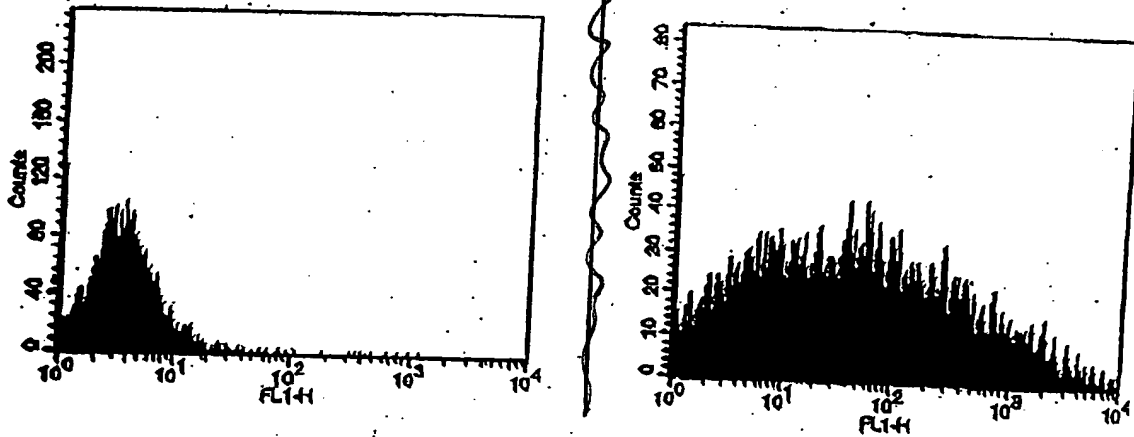
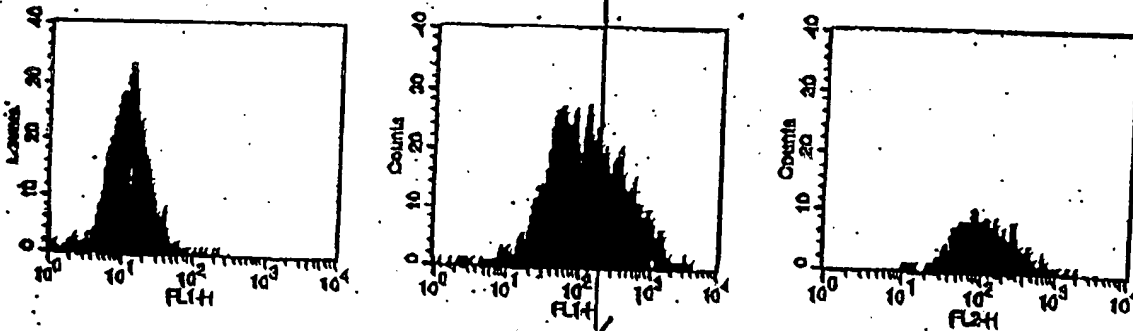
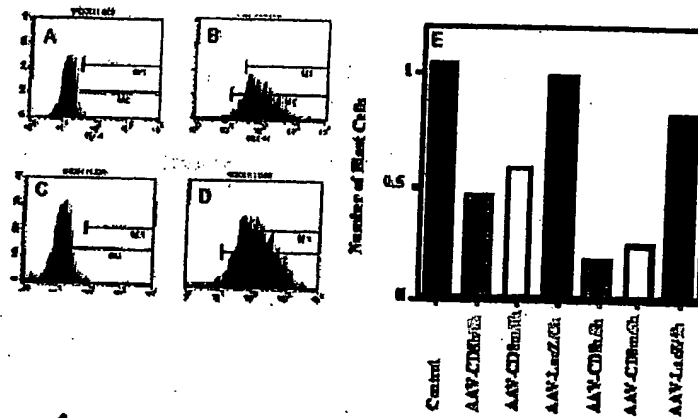


FIGURE 10D

~~Infected Cells: MC57T Fibroblasts
Panel 1: Mock-Infection;
Panel 2: Infection with pAAV-mCD8;
Panel 3: Infection with pAAV-hCD8~~



ANNOTATED SHEET
SHOWING CHANGES

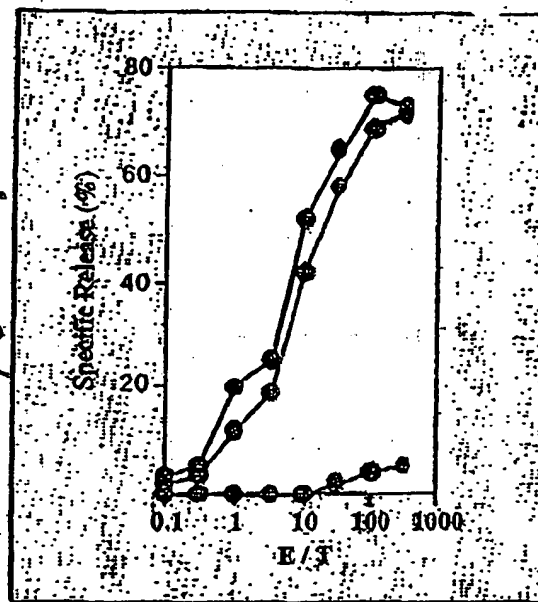


Fibroblasts were transduced with pAAVCD8 (B) or hAAVCD8 (D) or mock-infected (A and C). Surface expression of CD8 was detected by surface immunofluorescence (A through D). MLCs (Balb/c anti-C57BL/6) were set up in the presence of these fibroblasts that had been cultured for 0 or 5 hours after transduction before they were added to the MLCs. At end of cultures, the number of lymphoblasts was determined on a fluorescence activated cell analyzer.

Figure 11

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Specific Release (%)

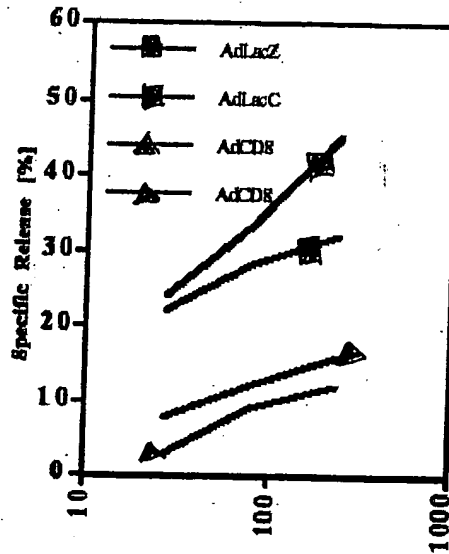


0.1 1 10 100 1000

E/T

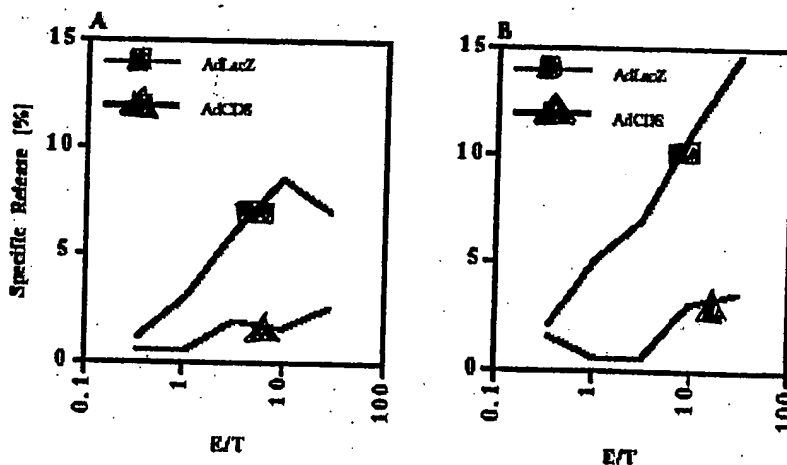
FIGURE 12

ANNOTATED SHEET
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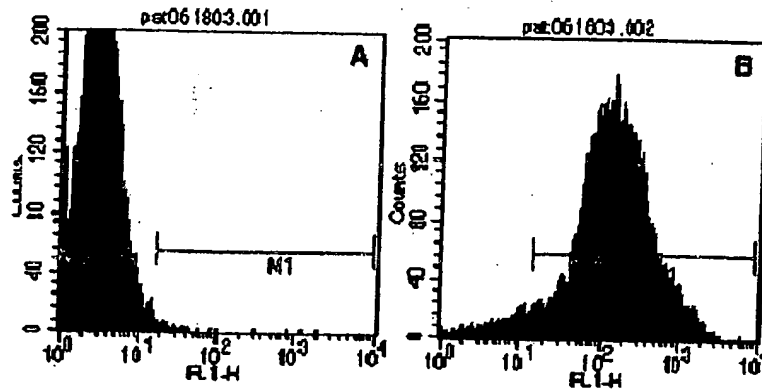
~~triangle~~ ^{E/T} Balb/c mice were immunized with AdLacZ (green) or mAdCD8 (red). Their spleen cells were cultured in the presence of AdLacZ and tested for specific lytic activity against AdLacZ-infected syngeneic P815 target cells.

Figure 13



~~triangle~~ ^{E/T} (A) CS7BL/6 animals were immunized with AdLacZ (red) or mAdCD8 (green). Their lytic activity of their spleen cells towards syngeneic AdLacZ BL4 target cells was tested. (B) Such animals were re-immunized with AdLacZ prior to testing their lytic activity against AdLacZ-infected BL4 targets.

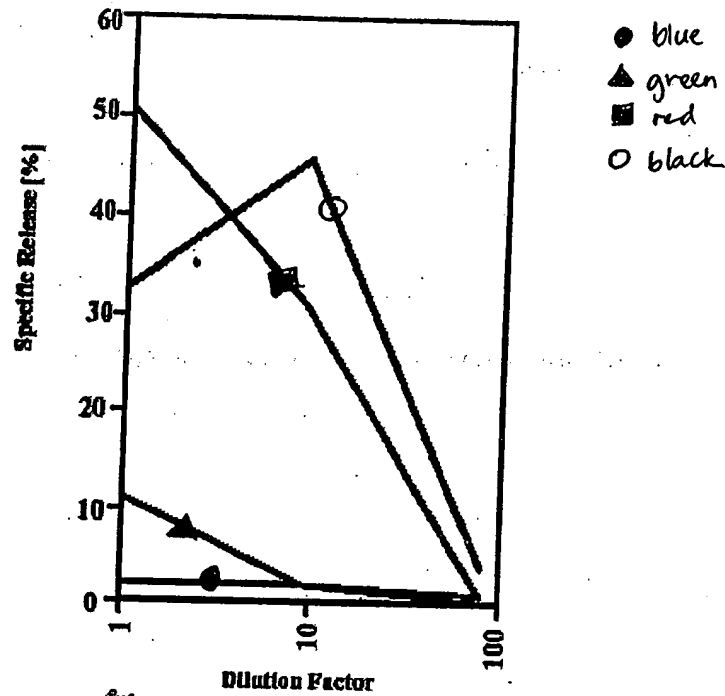
ANNOTATED SHEET
SHOWING CHANGES



~~Single cell suspensions were prepared from newborn hearts. The heart muscle cells were transduced with mAdCD8 (B) or mock-infected, cultured for 48 hours and stained for the surface expression of CD8.~~

Figure 15

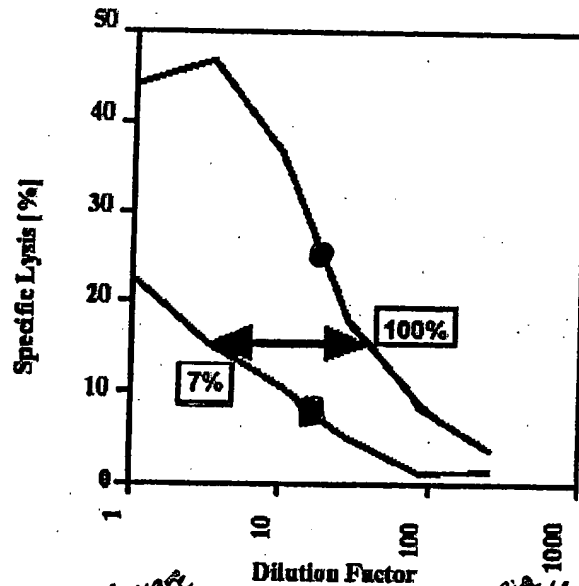
ANNOTATED SHEET
SHOWING CHANGES



Square
Newborn C57BL/6 hearts were infected
with 10^8 (red), 5×10^7 (green), 10^7 (blue) PFU AdCD8
or mock-infected (black). Thirty-five days after
transplantation into BAL B/c recipients, the activity of
the lytic activity of activated recipient T cells was
tested on donor-type target cells.
per chart

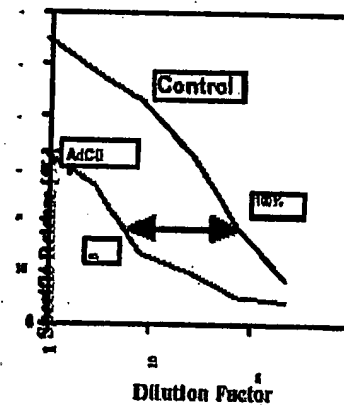
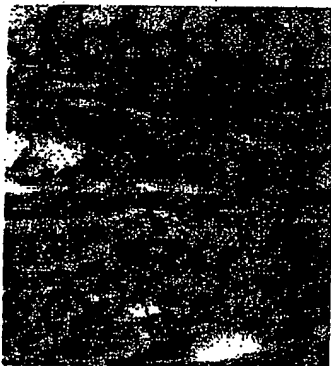
Figure 16

ANNOTATED SHEET
SHOWING CHANGES



Newborn C57BL/6 hearts were infected with AdCD8 (red) or mock-infected (black). Thirtyeight days after transplantation into BALB/C recipients, the activity of the lytic activity of activated recipient T cells was tested on donor-type target cells.

Figure 17



Animal: #725-

C57BL/6 hearts infected with rAdCD8 (treated) or mock-infected (control) were transplanted into Balb/c mice. After 52 days, the animals were sacrificed and the tissue was stained (HE) and the lytic activity of recipient T cells was tested on donor-type target cells.

Figure 18

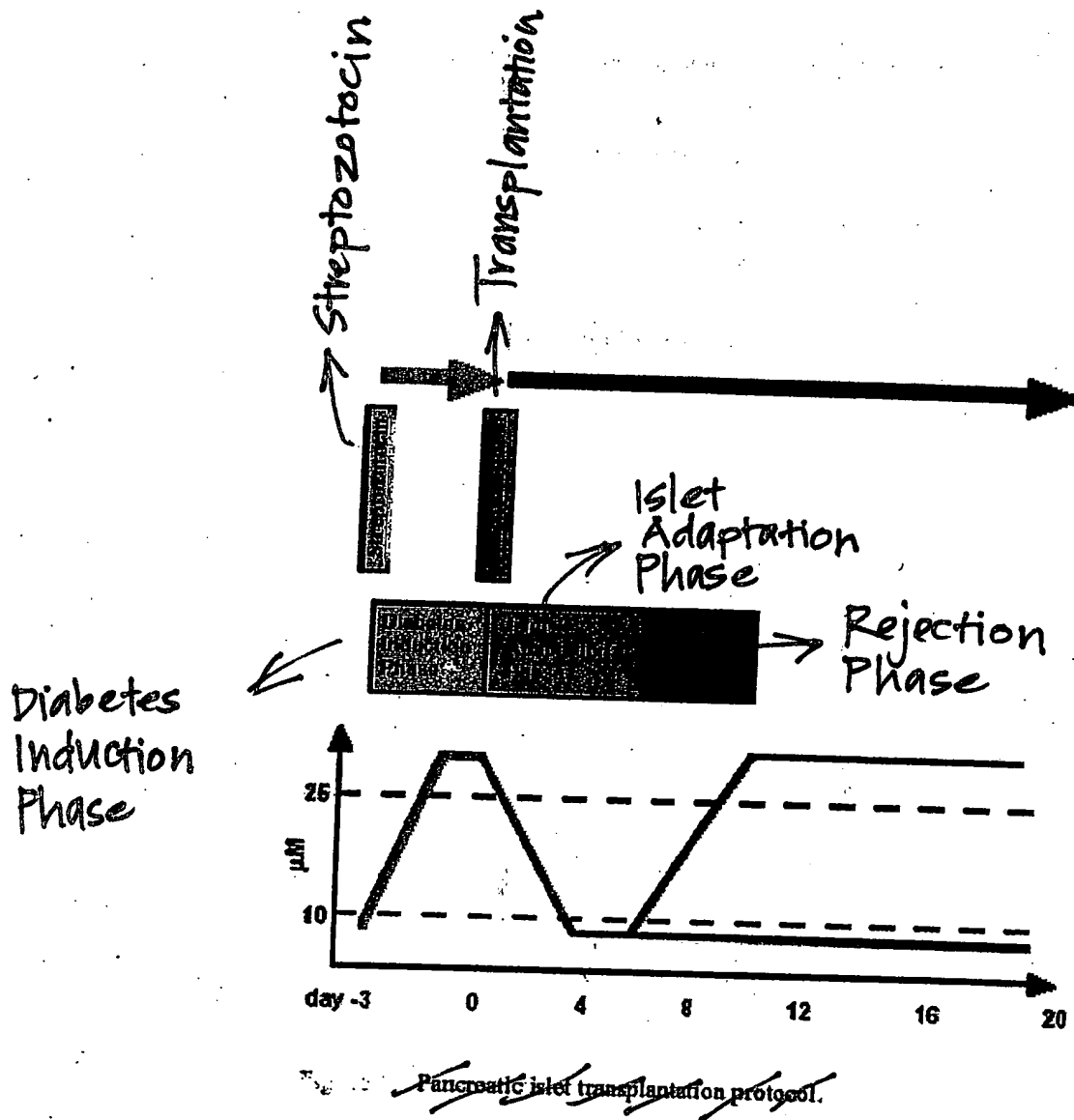
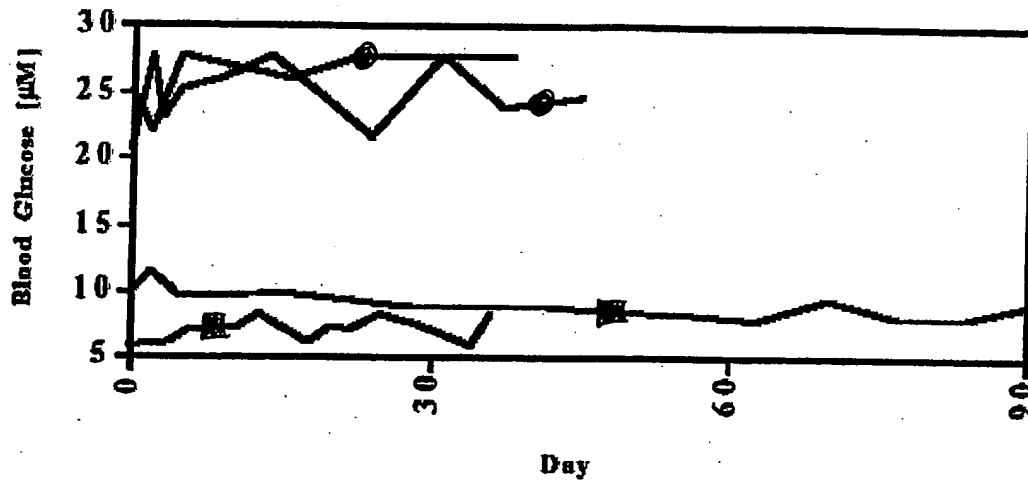


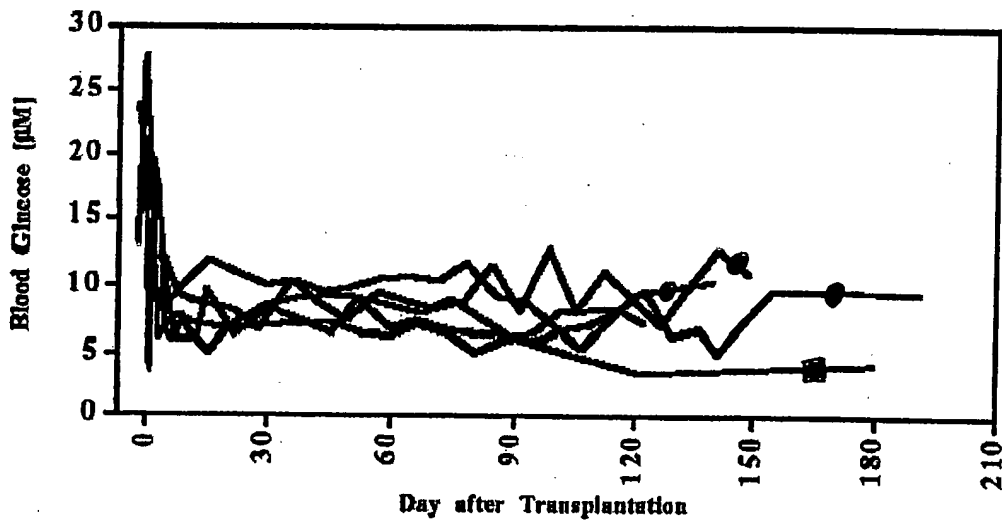
Figure 19

ANNOTATED SHEET
SHOWING CHANGES



Blood glucose levels in normal (red) and Streptozotocin-treated (blue) mice.
Square *Circle*

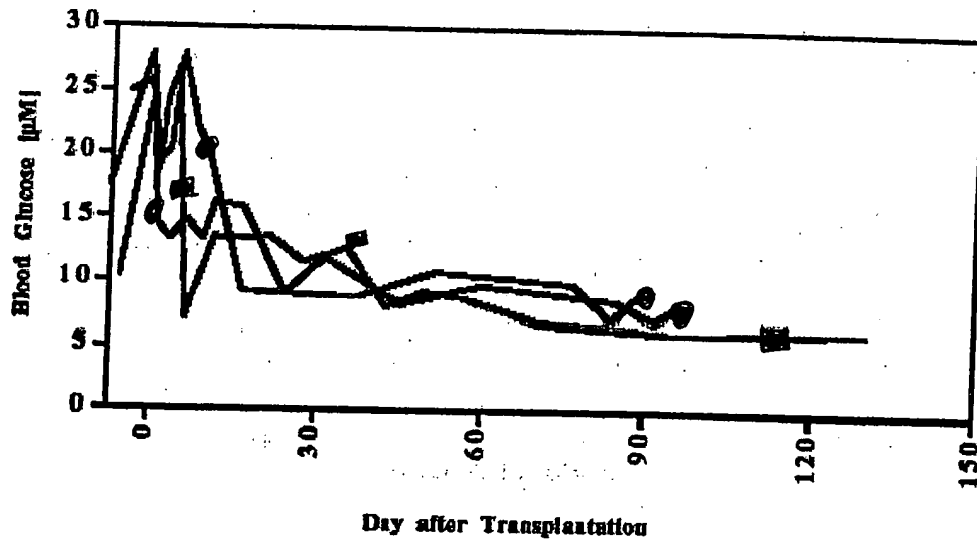
Figure 20



Syngeneic pancreatic islet transplants performed in Balb/c (red) and in C57BL/6 (blue) mice.
Square *Circle*

Figure 21

ANNOTATED SHEET
SHOWING CHANGES



Transplantation of syngeneic mAdCD8-transduced pancreatic islets
harvested from Balb/c (blue) or C57BL/6 (red) mice.
circle square

Figure 22

ANNOTATED SHEET
SHOWING CHANGES

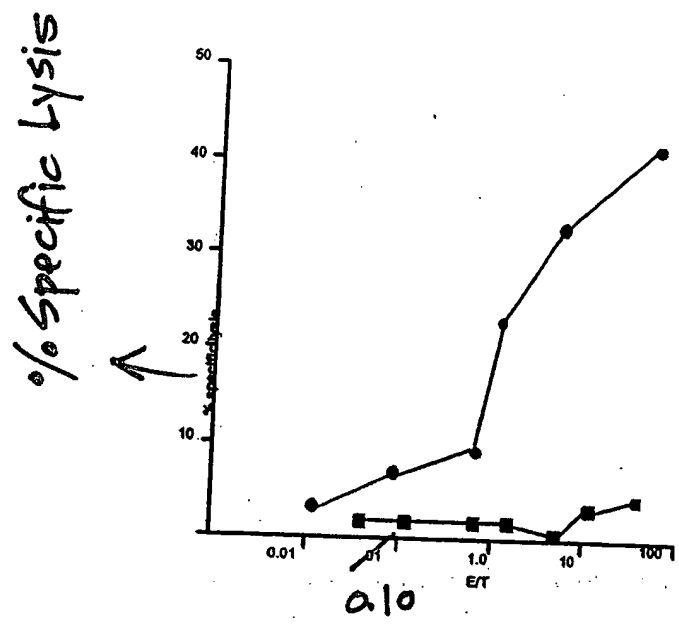
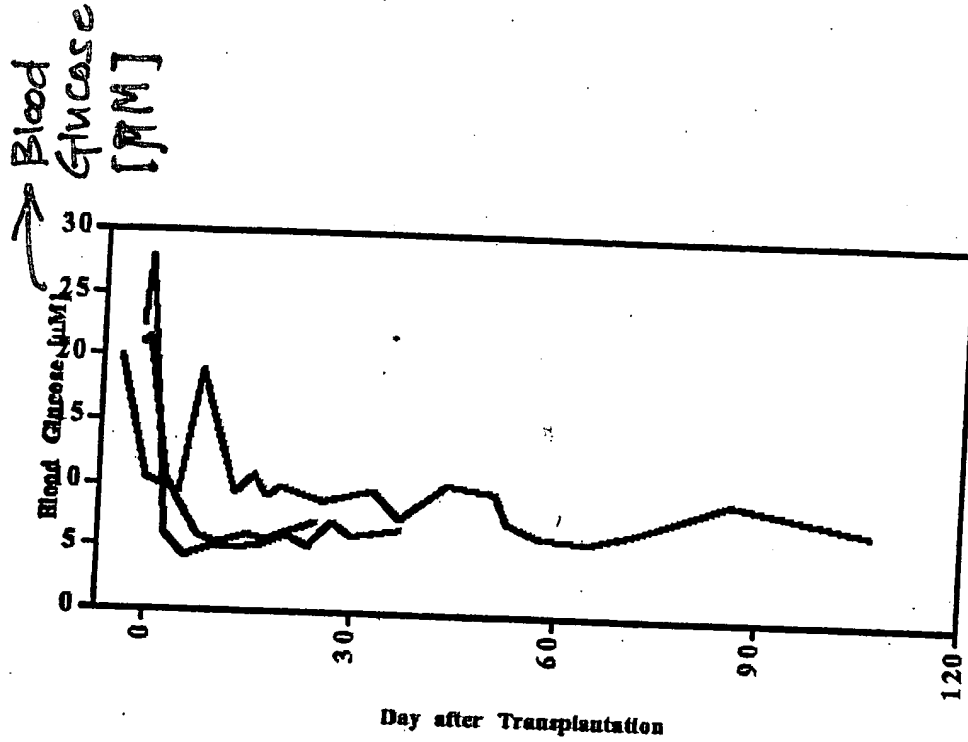


Figure 24

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mAdCD8-transduced C57BL/6 pancreatic islets were transplanted into
B6/c recipient mice.

Figure 25

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